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by fax and REGISTERED

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Bern, 7 November 2003/pb  
u/Zch. RS/RS-16071  
l/Zch.

**Our File 16071**

**International Patent Application No. PCT/CH03/00203; Ascom Energy Systems AG**  
**Comment on the officially amended abstract**

Dear Sirs,

On 10 October 2003 we have received the international search report with respect to the patent application in caption. We herewith comment on the new abstract as amended by the International Searching Authority.

The Authority asserts, that certain claims were unsearchable, because the claims were not supported by the description, since the scope of protection of the claims was broader than what is disclosed in the description and drawings. The Authority has amended the claims in the light of the description and the drawings and has added some features. One of the features that was added to the abstract is that the power converter comprises a transformer. However, as outlined on page 16 lines 10-11 and 24 of the description, the invention is not limited to power converter topologies with a transformer. Limiting the claims and the abstract with this feature therefore is not justified.

It is requested that the officially amended abstract be replaced by the abstract as shown on the enclosed substitute page 27.

Thank you for your acknowledgement of receipt of these documents with the enclosed acknowledgement form.

The Representative:



Werner A. Roshardt, Patent Attorney

- substitute page 27 with a further amended abstract
- acknowledgement form (only by mail)

## ABSTRACT

The present invention is directed to a switch mode power converter for supplying an output power to a load ( $R_L$ ). The converter includes a switch (SW) at a primary side and at a secondary side a switching device (SR) having a switching input, a switching output, and a control input for enabling or disabling the switching device from conducting current from the switching input to the switching output. The converter also includes a network ( $L_2$ , C) in which the switching device input, the switching device output, and the load are connected together to form a circuit. The converter also includes a bias winding ( $L_B$ ) in the circuit for producing a bias voltage (VB) representative of the output power, and a control circuit (CC). The control circuit is for (a) determining the rate of change of the bias voltage, (b) characterizing the rate of change, and (c) controlling the control input as a result of the characterization (b).

# PATENT COOPERATION TREATY

Eingegangen

04. Dez. 2003

From the INTERNATIONAL SEARCHING AUTHORITY

**PCT** Keller & Partner AG

To:

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NOTIFICATION OF CHANGE IN  
ABSTRACT AS PREVIOUSLY ESTABLISHED  
BY INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 38.2 (b)  
and Administrative Instructions, Section 515)

Date of mailing  
(day/month/year)

02/12/2003

Applicant's or agent's file reference

RS/nj-16071

INFORMATION ONLY

International application No.

PCT/CH 03/00203

International filing date  
(day/month/year)

28/03/2003

Applicant

ASCOM ENERGY SYSTEM AG

The applicant is hereby notified that this International Searching Authority has considered the comments received from the applicant on the abstract established by this Authority (Form PCT/ISA/210) and has decided that:



the text of the abstract remains as previously established by this Authority for the reasons indicated below/in the Annex.



the text of the abstract is changed in view of the applicant's comments and it now reads as it appears below/in the Annex.

In the opinion of the Search Authority the text of the abstract as previously established seems to be a more appropriate version to fulfill the requirements of Rule 8.3 PCT.

A copy of this Notification and any Annex has been sent to the International Bureau.

Name and mailing address of the International Searching Authority



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